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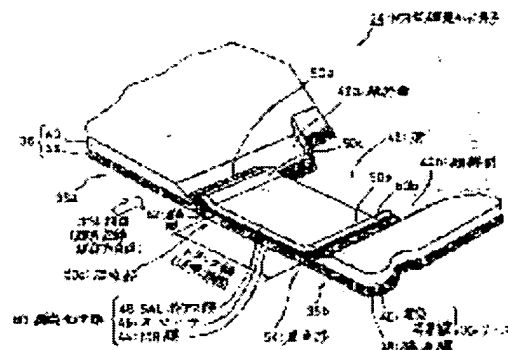
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## (54) MAGNETO-RESISTIVE EFFECT TYPE THIN FILM TRANSDUCER ELEMENT AND ITS MANUFACTURE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To reduce Barkhausen noise by cutting both right and left end part of a magnetic sensor film in midway positions in right and left inclined surfaces constituting an approximately trapezoidal groove of right and left leads.

**SOLUTION:** The magnetic sensor film 50 is disposed so that the right and left leads 36a and 36b are connected to each other, and both end parts 50a and 50b of the film are cut in the midway positions of the inclined surfaces 42a and 42b. Thus, electrical connection is made between the sensor film 50 and the leads 36a and 36b in the inclined surfaces 42a and 42b. A part between edge parts of lower end parts on the inner sides of the leads 36a and 36b, i.e., a part positioned on the bottom surface in the groove 42 is an active part of the sensor film 50 to detect a signal recorded in a track of a magnetic recording medium. Right and left parts of the active part 50c constitute inclined parts 50d and 50e.



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